



FA  
50N

COMPLEX SOLUTIONS

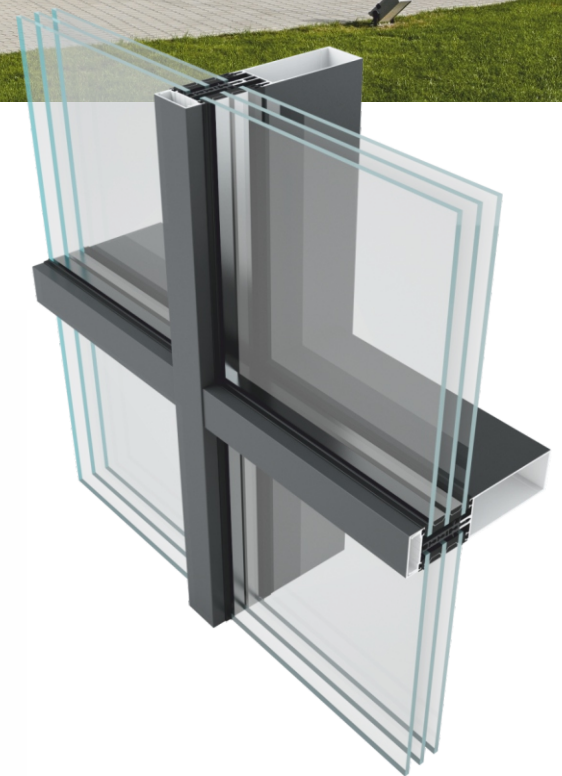
### FA 50N - SYSTEM FEATURES

This system allows for designing and building light mullion-transom curtain walls.

FA 50N system is classified as one of best curtain wall systems available on the market, considering thermal and acoustic insulation, water tightness and wind load resistance.

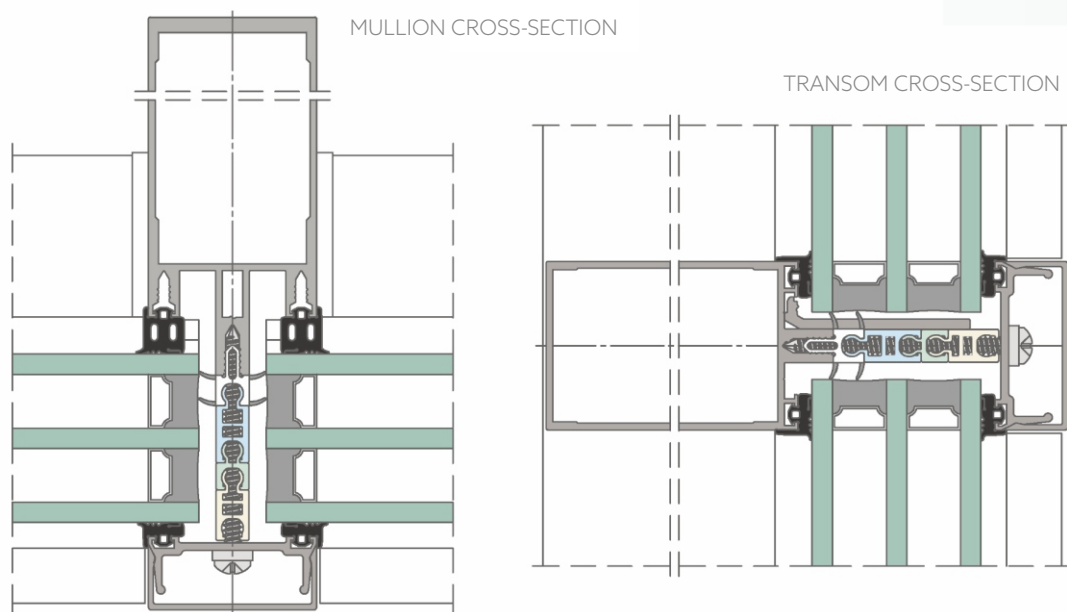
The great variety of solutions possible within this system provides free shaping of the facade with regard to its geometry and colour scheme. This product has undergone tests in a European test institution.

Photo: Inalfa, Września  
Design: Pentagram Architekci Sp. z o.o., Sp. k.  
Aluminium manufacturer: Konstrukcje Aluminiowe Sp. z o.o., Częstochowa



## ADVANTAGES OF THE SYSTEM

- allows for creating constructions of various shapes and dimensions, in accordance with the architect's vision,
- complies with valid standards concerning water tightness, thermal insulation and fire resistance,
- wide variety of masking strips allows for diversified final appearance of the curtain walls,
- possibility of profile bending,
- possibility of creating many varieties with diversified parameters,
- possibility of using photovoltaic cells,
- possibility of combination with other Yawal systems.



### TECHNICAL PARAMETERS - FA 50N

Air permeability	class AE 1500 acc. to PN-EN 12152
Water tightness	class RE 1800 acc. to PN-EN 12154
Heat transfer coefficient	$U_f =$ from 1,2 W/m <sup>2</sup> K acc. to PN-EN ISO 10077-2
Wind load resistance	2400 Pa acc. to PN-EN 13116
Acoustic insulation	$R_w = 31\div 47$ dB acc. to PN-EN ISO 140-3
Impact resistance	class I5, E5 acc. to PN-EN 14019
Anti-theft protection	RC2, RC3, RC4 acc. to PN-EN 1627
External visible width	<b>50 mm</b>
Internal visible width	50 mm
Glazing	fixed with termination bars and masking strips
Glazing thickness	6÷58 mm
Opened elements	- outwards tilt / sliding windows FA 50N SW - inwards opened windows (FA 50N INV) - inwards opened windows in systems TM 62/TM 62HI, TM 74HI, TM 77HI - door TM 62/74/77/77 PRESTIGE, DP 100/150T/180, PI 50 + automatic door